

Select Committee Hearing

EV Mobility and Equity

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Michigan Department of Transportation

MICHIGAN'S FUTURE MOBILITY PLAN AND GOALS

Pillar #1:

Transition and Grow Our Mobility
Industry and Workforce

Enable Michigan's Mobility and EV Workforce
Bolster Michigan's Manufacturing Core



Pillar #2:

Provide Safer, Greener and More
Accessible **Transportation**
Infrastructure and Services

Accelerate EV Customer Adoption in Michigan
Grow Michigan's Smart and Connected
Infrastructure



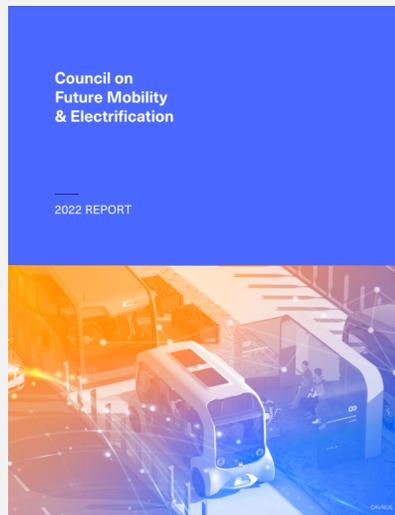
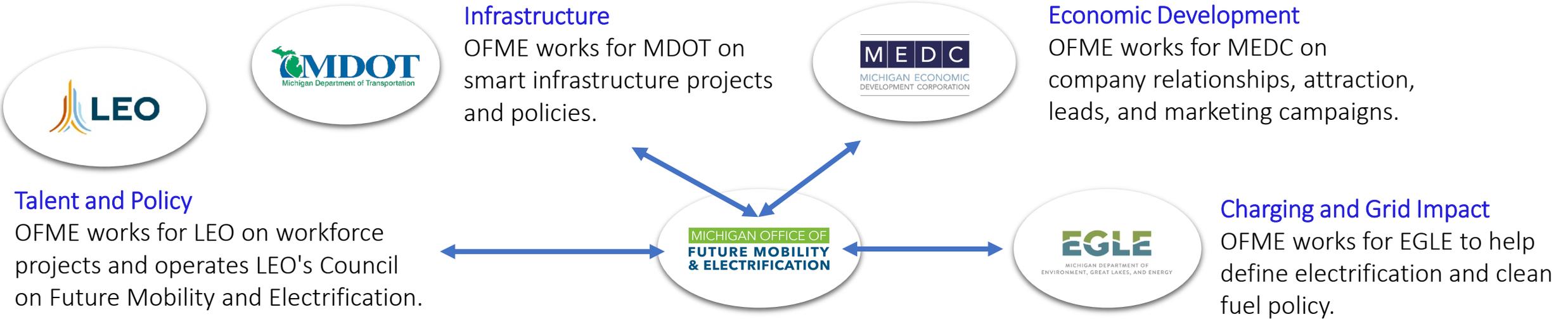
Pillar #3:

Lead the World in Mobility and
Electrification **Policy and**
Innovation

Lead the World in Mobility and Electrification R&D
Expand the Mobility and EV Industry in Michigan



STATEWIDE COLLABORATION



Public Members

- State Dept. - Transportation (MDOT)
- State Dept. - Energy (MPSC)
- State Dept. - Insurance (DIFS)
- State Dept. - Police (MSP)
- State Dept. - Labor (LEO)
- State Dept. - Environment (EGLE)
- State Dept. - Environment (EGLE)
- State Dept. - Investments (Treasury)
- Senate Majority and Minority
- Legislators
- Clean Fuels Michigan

Private and University Members

- University of Michigan
- Michigan State University
- United Auto Workers
- Ford Motor Co.
- General Motors
- Stellantis
- Toyota
- Rivian
- Waymo

EQUITABLE CHARGING STATION PLACEMENT



Lake Michigan EV Circuit



Multi-state partnership to create a network of EV chargers spanning more than 1,100 miles of drivable shoreline around Lake Michigan.

EV Charging at State Parks



DNR is partnering with private sector partners to install charging stations at every feasible state park, lighthouse, and shoreline in northern Michigan.

EV Jobs Academy and EV Charging Jobs Academy



Michigan is leading an employer-led collaborative to create new opportunities for electrical and construction workers through strategic workforce planning.

EV Ready Communities Toolkit



Readying Michigan communities for federal EV resources. A toolkit of actions and planning for communities to consider when thinking about how they would permit and deploy charging infrastructure.

AMERICA'S FIRST WIRELESS CHARGING ROAD



The Inductive Charging Technology



IN-ROAD CHARGING SYSTEM MADE OF UNDER-ROAD COIL SEGMENTS



ABOVE-GROUND MANAGEMENT UNIT



ENERGY TRANSFER USES RESONANT INDUCTION BETWEEN TWO COILS



Inductive Charging Corridor Use Cases for Smart, Urban Mobility



Transit



Shuttle



Passenger vehicles



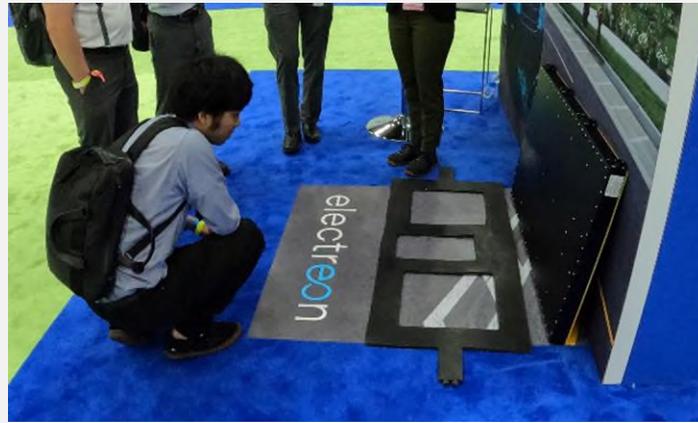
Last Mile Delivery



Freight

COMMUNITY ENGAGEMENT AND EDUCATION

Detroit Auto Show 2023



US-12 (Michigan Avenue) Open House



EDUCATION



**JOBS AND
WORKFORCE**



**STAKEHOLDER
OUTREACH**



**PILOT
OPPORTUNITIES**

**WIRELESS
CHARGING ROAD**



STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
METRO REGION

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